

<110> Stuart, Susan G.  
Streeter, David G.

<120> BREAST CANCER MARKER

<130> PC-0053 CIP

<140> To Be Assigned

<141> Herewith

<150> 09/232,160

<151> 1999-01-15

<160> 5

<170> PERL Program

<210> 1

<211> 322

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3044710CD1

<400> 1

Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp  
1 5 10 15  
Thr Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu  
20 25 30  
Ser Ile Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser  
35 40 45  
Lys Lys Ala Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala  
50 55 60  
Cys Arg Leu Leu Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu  
65 70 75  
Thr Ala Leu Lys Ala Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val  
80 85 90  
Gly Asp Gly Phe Val Val Ile Ser Arg Ile Ser Pro Asn Pro Lys  
95 100 105  
Cys Gly Lys Asn Gly Val Gly Val Leu Ile Trp Lys Val Pro Val  
110 115 120  
Ser Arg Gln Phe Ala Ala Tyr Cys Tyr Asn Ser Ser Asp Thr Trp  
125 130 135  
Thr Asn Ser Cys Ile Pro Glu Ile Ile Thr Thr Lys Asp Pro Ile  
140 145 150  
Phe Asn Thr Gln Thr Ala Thr Gln Thr Thr Glu Phe Ile Val Ser  
155 160 165  
Asp Ser Thr Tyr Ser Val Ala Ser Pro Tyr Ser Thr Ile Pro Ala  
170 175 180  
Pro Thr Thr Thr Pro Pro Ala Pro Ala Ser Thr Ser Ile Pro Arg  
185 190 195  
Arg Lys Lys Leu Ile Cys Val Thr Glu Val Phe Met Glu Thr Ser  
200 205 210  
Thr Met Ser Thr Glu Thr Glu Pro Phe Val Glu Asn Lys Ala Ala  
215 220 225  
Phe Lys Asn Glu Ala Ala Gly Phe Gly Gly Val Pro Thr Ala Leu  
230 235 240  
Leu Val Leu Ala Leu Leu Phe Phe Gly Ala Ala Gly Leu Gly

|   |     |     |
|---|-----|-----|
| 245   | 250 | 255 |
| Phe Cys Tyr Val Lys Arg Tyr Val Lys Ala Phe Pro Phe Thr Asn |     |     |
| 260   | 265 | 270 |
| Lys Asn Gln Gln Lys Glu Met Ile Glu Thr Lys Val Val Lys Glu |     |     |
| 275   | 280 | 285 |
| Glu Lys Ala Asn Asp Ser Asn Pro Asn Glu Glu Ser Lys Lys Thr |     |     |
| 290   | 295 | 300 |
| Asp Lys Asn Pro Glu Glu Ser Lys Ser Pro Ser Lys Thr Thr Val |     |     |
| 305   | 310 | 315 |
| Arg Cys Leu Glu Ala Glu Val                                 |     |     |
| 320   |     |     |

&lt;210&gt; 2

&lt;211&gt; 2029

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3044710CB1

&lt;400&gt; 2

ccttgacaag tcagaagctt gaaaggcaggg aaatccggat gtctcggtta tgaagtggag 60  
 cagtgagtgt gagcctcaac atagttccag aactctccat ccggactagt tattgagcat 120  
 ctgcctctca tatcaccagt gcccattctga ggtgttccc tggctctgaa gggtaggca 180  
 cgatggccag gtgttcagc ctgggtttgc ttctcaattc catctggacc acgaggctcc 240  
 tggtccaagg ctcttgcgt gcagaagagc ttccatcca ggtgtcatgc agaattatgg 300  
 ggatcaccct tgtgagcaaa aaggcgaacc agcagctgaa ttccacagaa gctaaggagg 360  
 cctgtaggct gctggacta agtttggccg gcaaggacca agttgaaaca gccttgaag 420  
 ctagcttta aacttgcagc tatggctggg ttggagatgg attcgtggtc atctctagga 480  
 ttagcccaaa ccccaagtgt gggaaaaatg ggggtgggtgt cctgatttgg aagttccag 540  
 tgagccgaca gtttgcagcc tattgttaca actcatctga tacttggact aactcgtgca 600  
 ttccagaaat tatcaccacc aaagatccca tattcaacac tcaaactgca acacaacaa 660  
 cagaatttat tgtcagtgc agtacactact cggtggcattt cccttactct acaataacctg 720  
 cccctactac tactccctc gtcctcgtt ccacttctat tccacggaga aaaaaattga 780  
 tttgtgtcac agaagttttt atggaaacta gcaccatgtc tacagaaact gaaccatttg 840  
 ttgaaaataa agcagcattc aagaatgaag ctgctgggtt tggaggtgtc cccacggctc 900  
 tgcttagtgct tgctccctc ttctttgggt ctgcagctgg tcttggattt tgctatgtca 960  
 aaaggatgtt gaaggcccttc ccttttacaa acaagaatca gcagaaggaa atgatcgaaa 1020  
 ccaaagtgtt aaaggaggag aaggccaatg atagcaaccc taatgaggaa tcaaagaaaa 1080  
 ctgataaaaaa cccagaagag tccaagagtc caagcaaaac taccgtgcga tgcctgaaag 1140  
 ctgaagttta gatgagacag aatgaggag acacacccatg ggtctggttt tttcatgctc 1200  
 cttaccctgc cccagctggg gaaatcaaaa gggccaaaga accaaagaag aaagtccacc 1260  
 cttggttctt aactggaatc agtctcaggac tgccatttgc ctatggagt caccaaagag 1320  
 aatggcccttc tccttattgt aaccctgtct ggatccatc ctccctaccc caaagcttcc 1380  
 cacggccctt ctgcctggc tatgtcctaa taatatccca ctggggagaaaa ggagtttgc 1440  
 aaagtgcag gacctaaaac atctcatcag tatccagtgg taaaaaggcc tcctggctgt 1500  
 ctgaggctag gtgggttggaa agccaaaggag tcactgagac caaggcttc tctactgatt 1560  
 cccgagctca gacccttct toagctctga aagagaaaaca cgtatcccac ctgacatgtc 1620  
 cttctgagcc cggtaagagc aaaagaatgg cagaaaaagt tagccctga aagccatgga 1680  
 gattctcata acttgagacc taatctctgt aaagctaaaa taaagaaaata gaacaaggct 1740  
 gaggatacga cagtagactg tcagcaggga ctgtaaacac agacagggtc aaagtgtttt 1800  
 ctctgaacac attgagttgg aatcactgtt tagaacacac acacttactt tttctggct 1860  
 ctaccactgc tgatattttc tcttagaaat atactttac aagtaacaaa aataaaaaact 1920  
 cttataaatt tcttattttt tctgagttac agaaatgatt actaaggaag attactcagt 1980  
 aatttggtaaaa aaaagtaata aaattcaaca aacatttaaa aaaaaaaaaa 2029

&lt;210&gt; 3

&lt;211&gt; 559

PC-0053 CIP

<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<223> Incyte ID No: 702127782H1

<400> 3  
ctcgagtataggctttt ccagaaatca ctaccacatt caacactcaa accccctgcag 60  
cagagttttc tgcacgcgc gacacctact cggcttcattc ctcagactcc acaacgtctg 120  
tgtctgccac cacccggctt ccaccttga ccaccatggc acggaagaca aaaatgattt 180  
gtatcacgga agtttacaca gaacctatca ccatggatgc agaaacagaa gcatctgtt 240  
aaagtggaggc agcattcaag aatgaagcag ctgggttgg aggtgtcccc acaaccctgc 300  
tggtgctggc tctcttcttc tttggtgctg cagctgtgtt ggggtgttttgc tacgtaaaa 360  
ggtatgtgaa ggcctccct ttcacaaaca agaataaca gaaggaaatg atcgaaccca 420  
aggttgtaaa ggaagagaaa gctgatgatg tcaatgctaa tgaagaatca aagaaaaatgg 480  
ttaaaaaactc agaggagccc aagagtccac ccaaaaactac agtgcggcgc ctagaggctg 540  
aagttaggtt gcacgagag 559

<210> 4  
<211> 279  
<212> DNA  
<213> Rattus norvegicus

<220>  
<221> misc\_feature  
<223> Incyte ID No: 701647942H1

<400> 4  
ggaggtgtcc ccacaaccct gctggtgctg gctctttctc tctttgggc tgca gctgtg 60  
ctgggtgttt gctacgtgaa aaggatgtg aaggccttcc ctttcacaaa caagaatcaa 120  
cagaaggaaa tgatcgaaac caagggttta aaggaagaga aagctgatga tgtcaatgct 180  
aatgaagaat caaagaaaac gtttttttttac tcagaggagc ccaagagtcc accccaaaact 240  
acagtgcggc gcctagaggc tgaagtttgc tgcacgag 279

<210> 5  
<211> 820  
<212> DNA  
<213> Canis familiaris

<220>  
<221> misc\_feature  
<223> Incyte ID No: 704113673J1

<400> 5  
gttaccaacg accatatgct ggcaacatcg tggcctcatt ctttttctct acttacttag 60  
cctttacaaa gagatcaggc ctcaagtcat gagaatctct gtggccttca gtgcgtgaaact 120  
tttccttcct tctttgttct tgcctggctc agaagggcat gccagatgtat gtgtgttacc 180  
ttttcagaat gaagaaagga tctggcctgtt ggaatcaata gagaaggcct tagtctcagt 240  
ggtttcttgg ttctcaactc agctatgctc agccaaactga gaagcctctt tataaatgtg 300  
ttctgattag ttgttttagg tcctgtgtt tgcgttgc tttatccca cagagatatt 360  
attaggacat agtcaggcata gaaagctgtg ggaagcttgg aggttaggagg ataggatcca 420  
gaaagaatta cagaagaagt tcaccattt gtaactcca tagtccaaag gtatcctgaa 480  
gttgattcca ttaagaacc aagggtggac tttttgtttt ggttcttgc ctttaagttt 540  
ccccatctgg ggccaggata tgcgtcaggaa aagaaatcag cctcagatgt gtctcccat 600  
ttctttctgtt tttaaacttc agttccatg catcgactg tggtttgggtt ggactcttgg 660  
gctcttctgg ctttttatca gttttcttgc ttcttcattt gggttgctat catcggtttt 720  
ctcttcctt actacttggt ttcaatcatt tccttgc ttttttttttgc tcacaaggca 780  
aggcttcac ataccatttgc cgtacaaac cggcaacac 820